

**I claim:**

1. An imaging apparatus with divers resolution, comprising:
  - a light source for illuminating a document to form a respective document image;
  - a major lens for receiving the document image and for imaging the document imaging at a focal point thereof; and
  - an image-capture unit, including a plurality of image-capture elements with respectively various resolution, one of the image-capture elements as a selected image-capture element being moved to the focal point for performing the imaging while operating the imaging apparatus.
2. The imaging apparatus with divers resolution according to claim 1, wherein said image-capture unit is moved linearly to locate said selected image-capture element.
3. The image apparatus with divers resolution according to claim 1, wherein said imaging-capture unit is a turntable mechanism for being rotationally moved to locate said selected image-capture element.
4. The image apparatus with divers resolution according to claim 1, wherein said imaging-capture element of said imaging-capture unit is a charge coupling device.
5. The imaging apparatus with divers resolution according to claim 1 includes at least one reflection lens arranged to obtained an optical path for forwarding said document image.
6. The imaging apparatus with divers resolution according to claim 1, wherein said image-capture unit is moved manually to locate said selected image-capture element.

7. The imaging apparatus with divers resolution according to claim 1, wherein said image-capture unit is moved electronically to locate said selected image-capture element.

8. An imaging apparatus with divers resolution, comprising:

5        a light source for illuminating a document to form a respective  
          document image;

a major lens for receiving the document image and for imaging the document imaging at a focal point thereof; and

an image-capture unit, located at the focal point of the major lens,  
10 including a plurality of image-capture elements with respectively  
various resolution for forming thereon the document image;

characterized on that: the image-capture unit further includes a switching device for determining one of the image-capture elements per a user's need as a selected image-capture element for performing document imaging.

9. The image apparatus with divers resolution according to claim 8, wherein said imaging-capture element of said imaging-capture unit is a charge coupling device.

10. The imaging apparatus with divers resolution according to claim 8  
20 includes at least one reflection lens arranged to obtained an optical path  
for forwarding said document image.

11. The imaging apparatus with divers resolution according to claim 8, wherein said switching device of said image-capture unit is an electronic device for locating said selected image-capture element.

25 12. The imaging apparatus with divers resolution according to claim 8,  
wherein said image-capture elements of said image-capture unit are  
arranged close to said focal point of said major lens.

13. The imaging apparatus with divers resolution according to claim 8, wherein said switching device includes operations of:

- (a) selecting one of said image-capture element as said selected image-capture element;
- 5 (b) using an electronic controller to activate said selected image-capture element and to invalidate the rest of said image-capture elements; and
- (c) imaging said document via said selected image-capture element.